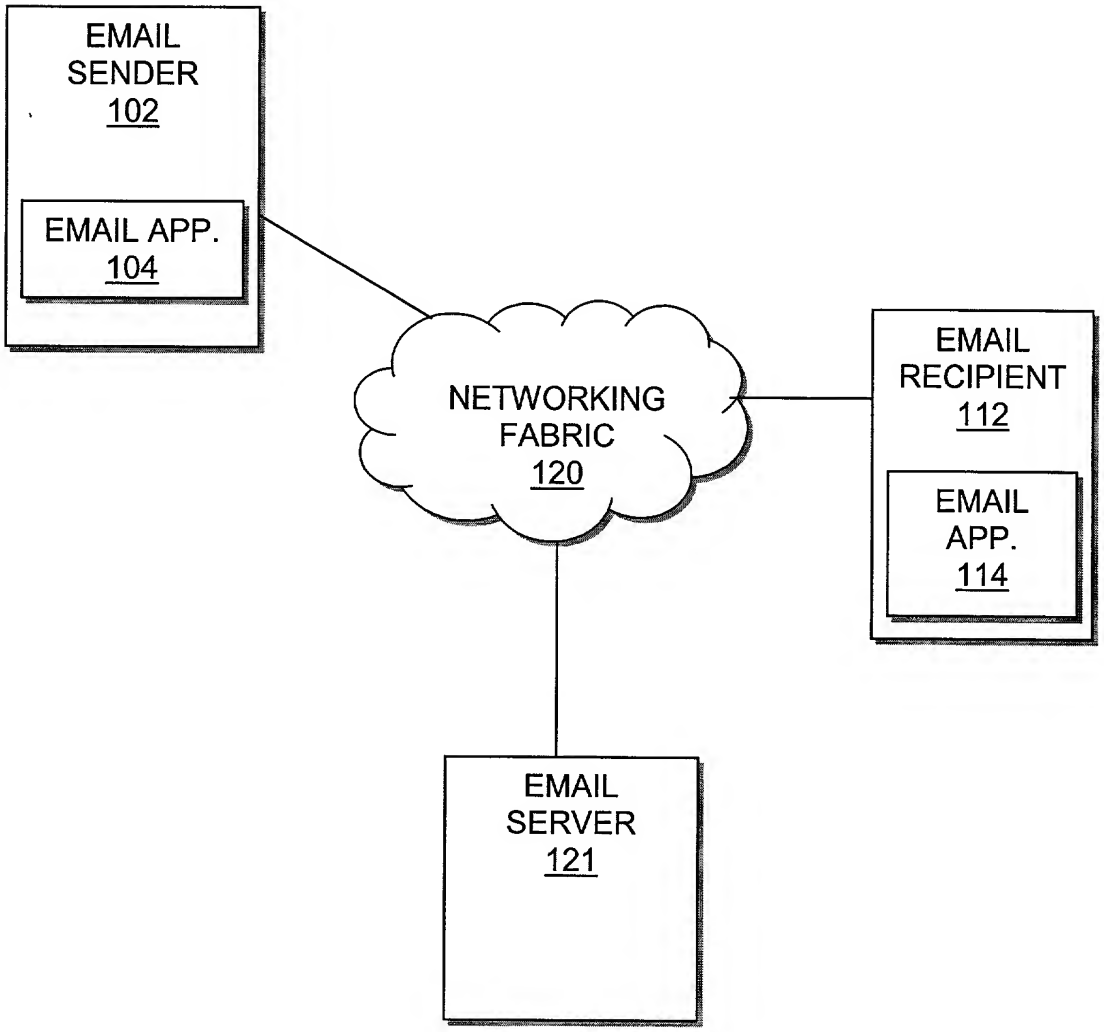
EMAIL SENDER 102
EMAIL APP. 104
NETWORKING FABRIC 120
EMAIL RECIPIENT 112
EMAIL APP. 114
EMAIL SERVER 121

Figure 1

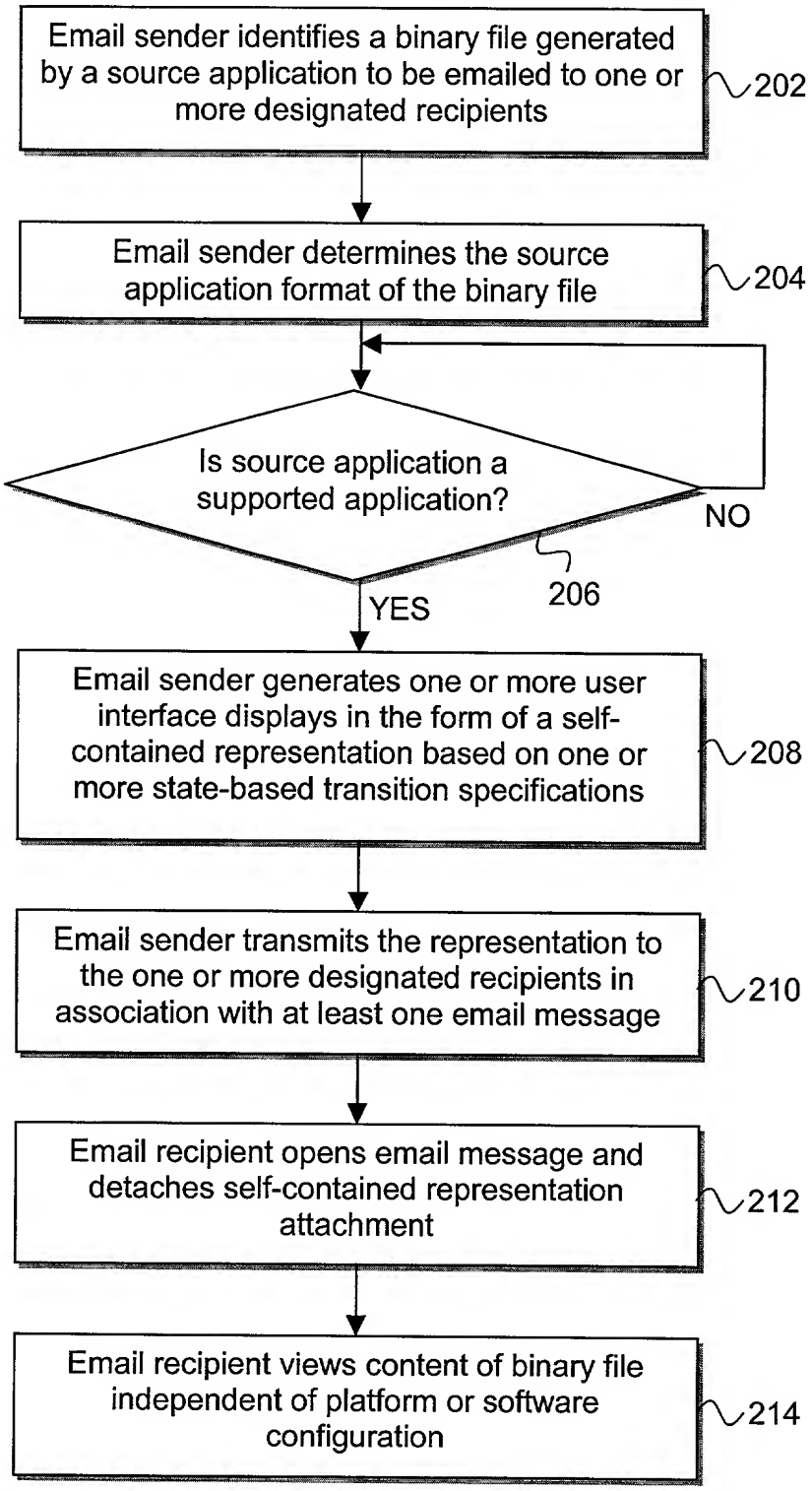
Email sender identifies a binary file generated by a source application to be emailed to one or more designated recipients
202
Email sender determines the source application format of the binary file
204
Is source application a supported application?
NO
206
YES
Email sender generates one or more user interface displays in the form of a self-contained representation based on one or more state-based transition specifications
208
Email sender transmits the representation to the one or more designated recipients in association with at least one email message
210
Email recipient opens email message and detaches self-contained representation attachment
212
Email recipient views content of binary file independent of platform or software configuration
214

Figure 2

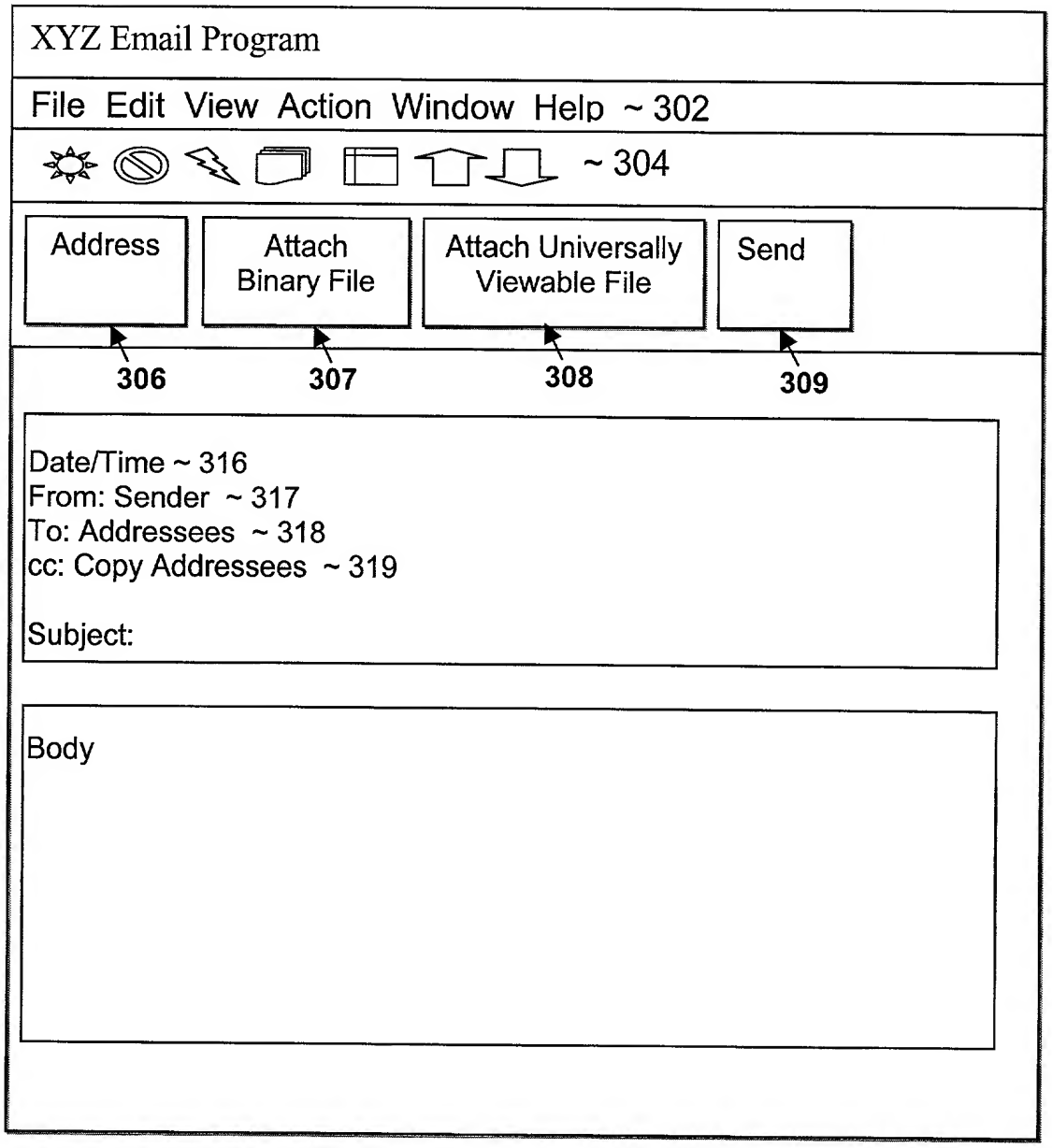
XYZ Email Program
File Edit View Action Window Help ~ 302
~ 304
Address
Attach Binary File
Attach Universally Viewable File
Send
306
307
308
309
Date/Time ~ 316
From: Sender ~ 317
To: Addressees ~ 318
cc: Copy Addressees ~ 319
Subject:
Body

Figure 3

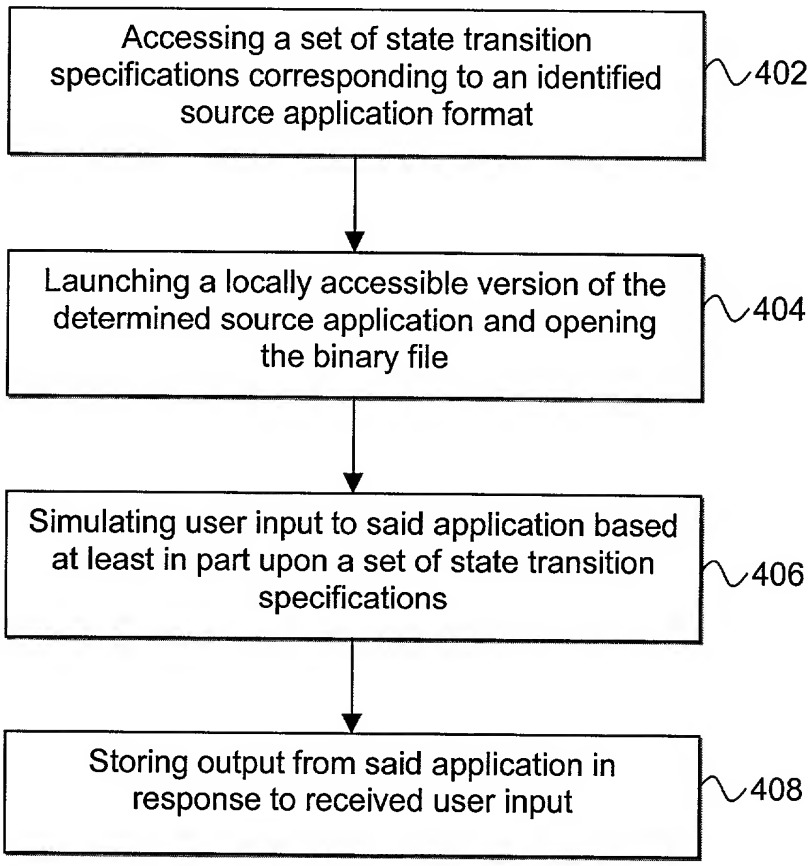
Accessing a set of state transition specifications corresponding to an identified source application format
402
Launching a locally accessible version of the determined source application and opening the binary file
404
Simulating user input to said application based at least in part upon a set of state transition specifications
406
Storing output from said application in response to received user input
408

Figure 4

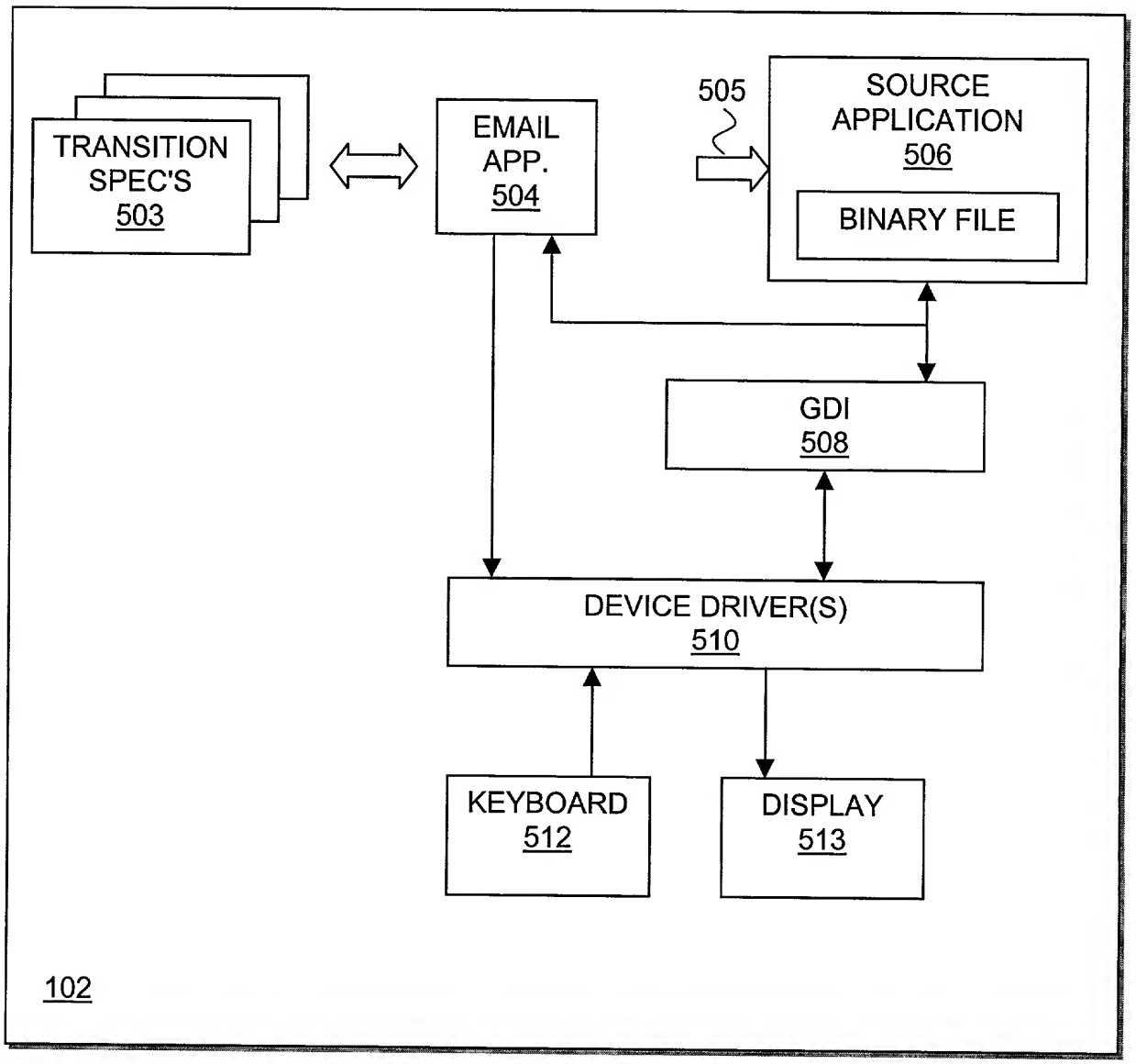
TRANSITION SPEC'S 503
EMAIL APP. 504
505
SOURCE APPLICATION 506
BINARY FILE
GDI 508
DEVICE DRIVER(S) 510
KEYBOARD 512
DISPLAY 513
102

Figure 5

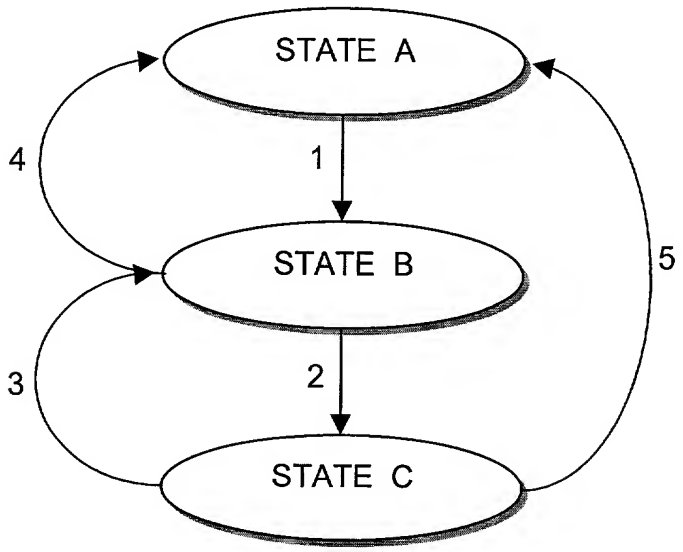

Figure 6A

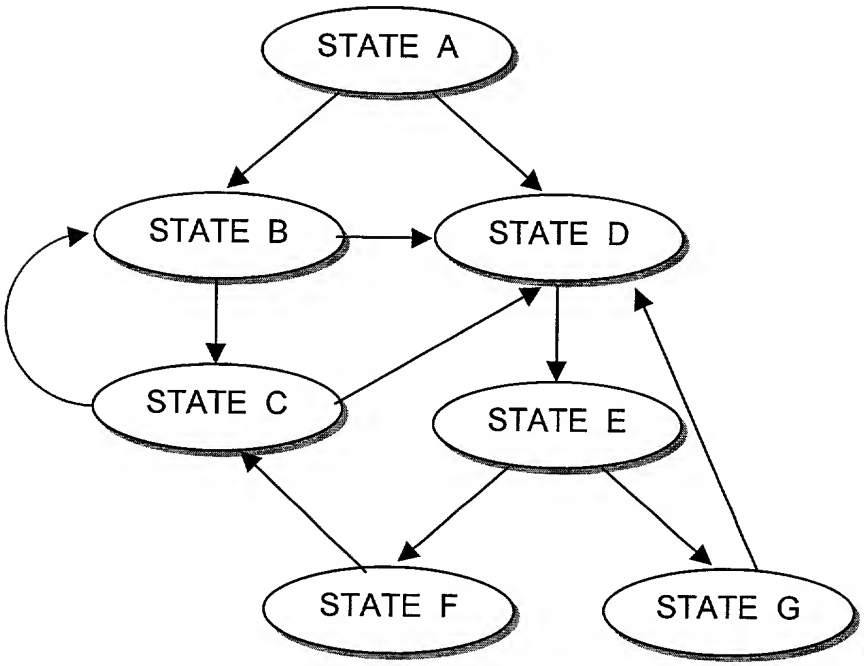

Figure 6B

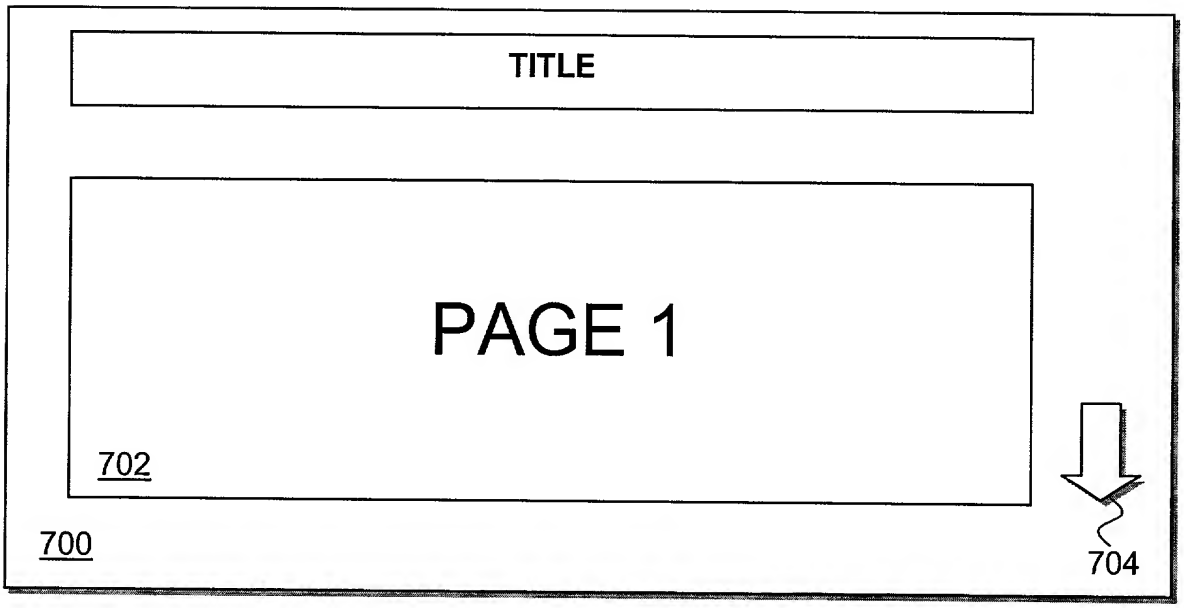

Figure 7A

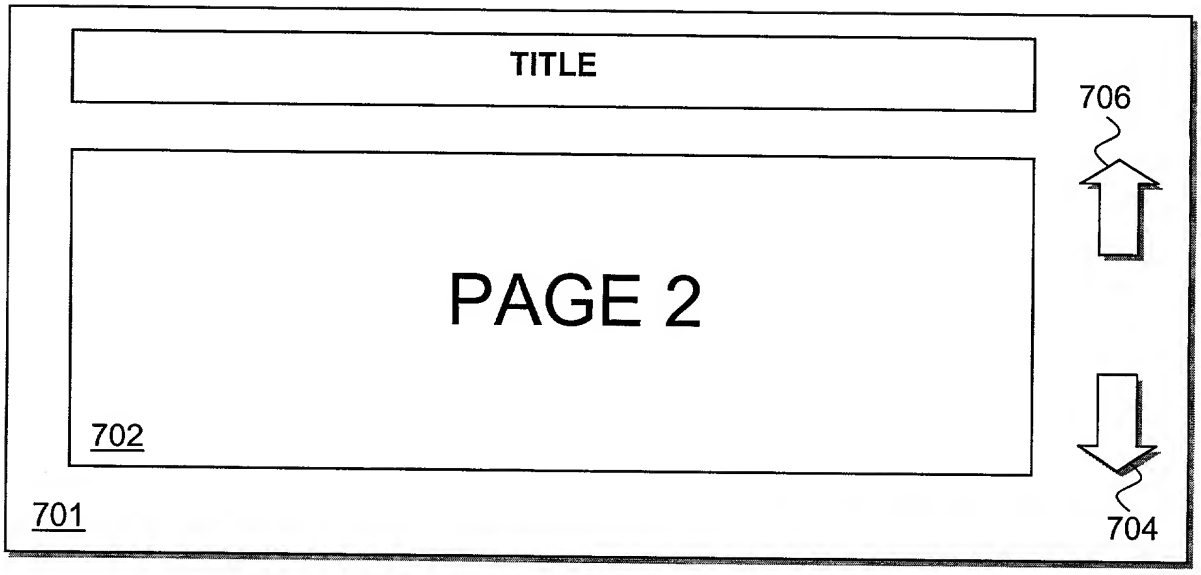

Figure 7B

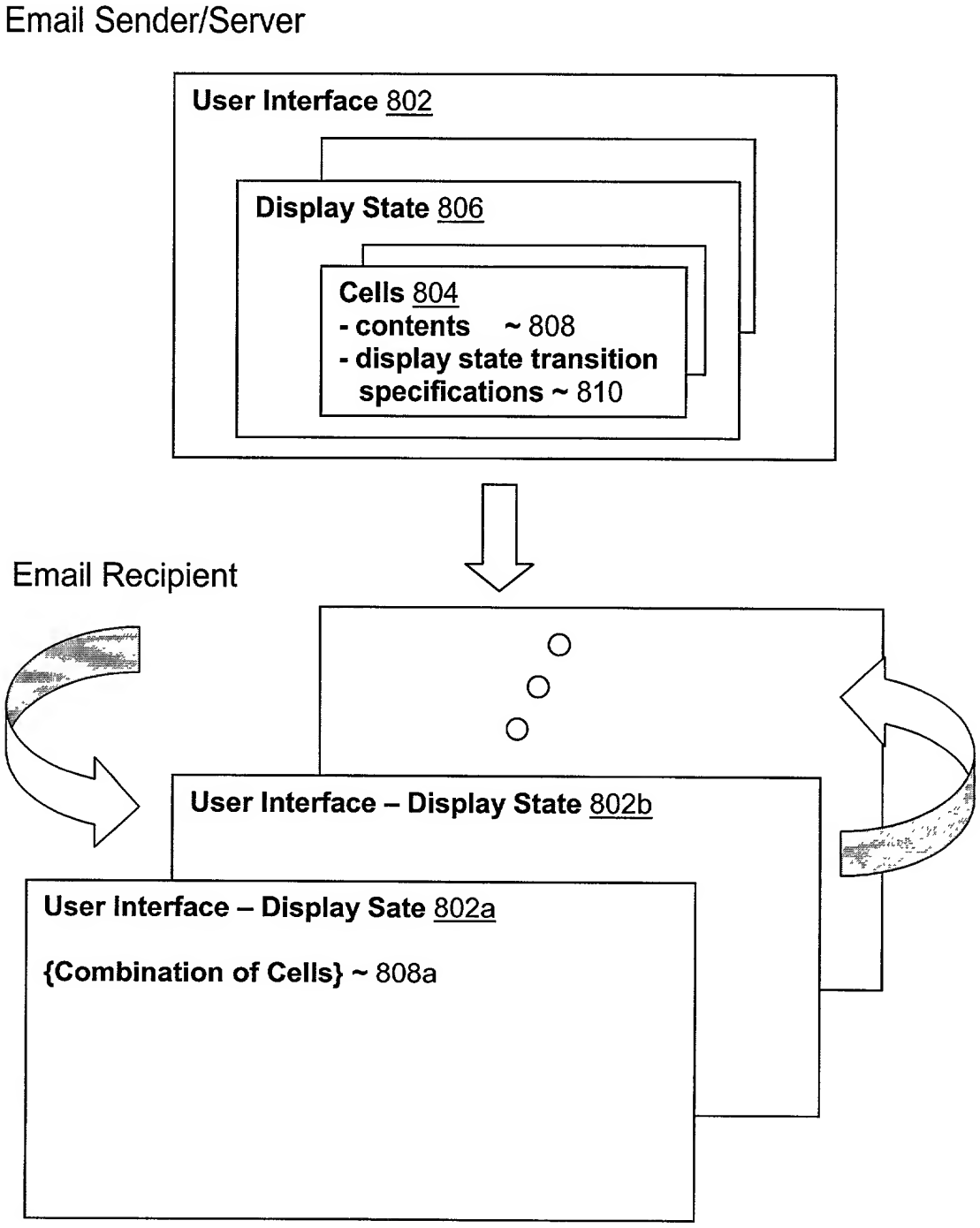
Email Sender/Server
User Interface 802
Display State 806
Cells 804
- contents ~ 808
- display state transition specifications ~ 810
Email Recipient
User Interface – Display State 802b
User Interface – Display Sate 802a
{Combination of Cells} ~ 808a

Figure 8

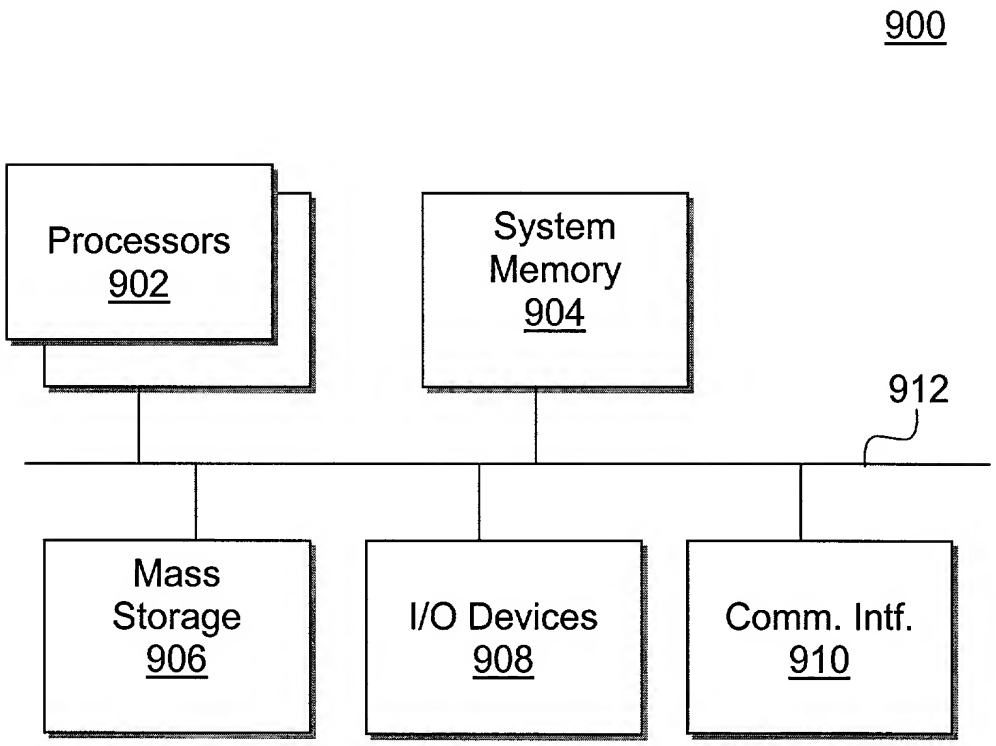
900
Processors
902
System
Memory
904
912
Mass
Storage
906
I/O Devices
908
Comm. Intf.
910

Figure 9

<Display State S1> ~ **802a**
    <Display Cell C1> ~ **804a**
        ....
    </End Display Cell C1>
    <Display Cell C2> ~ **804b**
        ....
    </End Display Cell C2>

    <Transition R1> Display State x </End Transition R1> ~ **806a**
    <Transition R2> Display State y </End Transition R2> ~ **806b**

</End Display State S1>

<Display State S1> ~ **802b**
    <Display Cell C1> ~ **804a**
        ....
    </End Display Cell C1>
    <Display Cell C2> ~ **804c**
        ....
    </End Display Cell C2>

    <Transition R3> Display State x </End Transition R3> ~ **806c**
    <Transition R4> Display State z </End Transition R4> ~ **806d**

</End Display State S1>

Figure 10